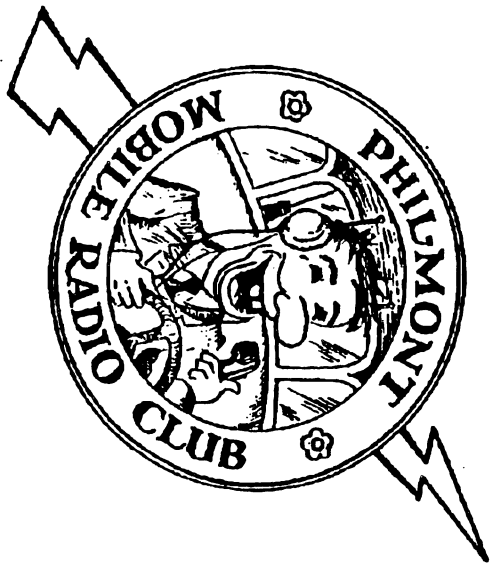


FIRST CLASS MAIL



THE PHILMONT MOBILE RADIO CLUB, INC.
2113 EDGEHILL DRIVE, FURLONG, PA 18925

A Publication of

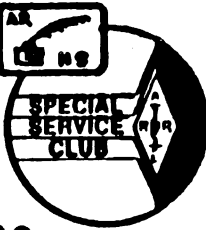
THE BLURB



PHILMONT MOBILE RADIO CLUB
W3RQZ • W3TKQ • W3QV



October 1990



THE NEW MOCOM 6 ?



A PHILMONT
INNOVATION BY
N3FVI & N3GLH

is published monthly by, and for, the members of The PHIL-MONT MOBILE RADIO CLUB, INC. whose purpose is to promote Amateur Radio in general, and Mobile Radio in particular. Copying and quoting is permitted with a credit line. We gladly exchange publications with other amateur radio clubs; requests should be sent to the Editor. BLURB subscriptions are available to non-members for \$6.50 addressed to the Treasurer. The club meets at 8 PM on the first non-holiday Monday of every month at The Franklin Institute, 20th Street and the Benjamin Franklin Parkway, Philadelphia. Use the Winter Street (north side) entrance.

ALL VISITORS ARE WELCOME!

Amateur Radio License Examinations - every meeting night at 6:30 PM-SHARP!

CLUB INFORMATION

- 24 Hour Information Number at W3TKQ -(215) 448-1139
Repeater frequencies: 147.03 & 444.80 MHz - Simplex frequency: 147.51 MHz
Mailing Address: P.O. Box 88, Abington, PA 19001

STATIONS

W3QV - 147.03 MHz. Repeater - 8200 Ridge Avenue, Philadelphia, PA - Trustee W3BBB
W3RQZ - 1176 Old York Road, Abington, PA - Trustee W3VVS
W3TKQ - The Franklin Institute, Philadelphia, PA - Trustee W3PWG
W3TKQ Operators: WA3AAL, Fred; N3ABS, John; K3TEF, Frank; KA3PJC, Jack; W3PWG, Rollie
ALL LICENSED AMATEURS ARE WELCOME TO OPERATE W3TKQ.

OFFICERS

PRESIDENT: W3UY, Larry Clifford, 951 Surrey Drive, Blue Bell, PA 19422
VICE PRESIDENT: N3FVI, Bill Popovic, 343 Lemonte Street, Philadelphia, PA 19103
SECRETARY: N3GLH, Brad Swanson, 517 Cresheim Valley Road, Wyndmoor, PA 19118
TREASURER: KB3IV, Ed Masarsky, 15 Poe Avenue, Wyncote, PA 19095

DIRECTORS

W3BBB (90); K3GBA (A); AK2I (91); W3IIM (A); W3IIN (A); K3KUD (91); W3LKI (90)

COMMITTEES

Archives:	W3IIN	Membership:	W3IIN	Repeater:	W3BBB
Awards:	-----	MO-COM 5:	N3DHI	Special Events:	N3FVI
BLURB:	W3IIM	Net Control:	WB3CMM	TVI	WA3AUN
Budget /Audit:	W3IIN	Nominating:	K3KUD	VE Program:	ND3Q
Directory:	WB3KOJ	Program:	N3FVI	W3TKQ:	W3PWG
DX:	WA3AUN	Publicity:	-----	Welcome:	W3VVS
		Refreshments:	N3FVI		

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Assistant Editor/Typist: W3IIN

N3DHI, K3GBA, WB3KOJ

DEADLINE: To be assured of publication in the current month, all copy MUST be in the hands of the Editor at the Bored of Directors' Meeting!

NET SCHEDULE

SUNDAY	09:30	147.030	MHz FM	"SUNDAY MORNING 2 METER NET"
	10:00	28.993	MHz SSB	"10-ON-10 NET"
	10:20	3.993	MHz SSB	75 METER NET
TUESDAY	20:00	147.030	MHz FM	CW PRACTICE NET



APPLE BYTES

Don Gordon, WB3KOJ

OCTOBER BIRTHDAYS

- 01 Edward Masarsky - KB3IV
- 02 Mario Nicosia - WB3KAG
- 03 Lisa Brady - KA3VIL (XYL N3IEI)
- 04 Joseph S. Elmaleh - K3HIJ
Claire Spratt (XYL N3ALW)
- 06 Chris Brady - N3IEI
- 09 George DeSimone - K3YOD
Jerri Ives (XYL W3SMA)
Carolyn Muroff (XYL W3SAI)
- 11 Howard J. Trout - W3IGW
- 13 Francis G. Clark - KB3QE
- 14 William Mescanti, Jr. - WB3KUR
- 19 Albert C. Port, Sr. - W3HYU
- 21 William H. Conkle - W3IJN
- 26 Robert Houck - K2JOL
- 28 Charles L. Stouth - W3ZPP
- 31 Richard M. Klein - W3WXC

HELP PHIL-MONT

Are you planning to join ARRL or renew your current membership?
Help Phil-Mont by joining or renewing through the club.
Contact KB3IV for the details.

**AMATEUR LICENSE EXAMS HELD ON THE FIRST
NON-HOLIDAY
MONDAY OF EVERY MONTH AT 6:30 PM sharp
LOCATION TO BE ANNOUNCED
on 147.03 MHz**

For Information Call ND3Q at
(215) 482-0386 or 879-0505
Accessible by the handicapped.

ALTERNATE MEETING LOCATION

In the event that the **October General Meeting** cannot be held at the Franklin Institute (listen to 147.03), it will be held at **CHI Institute** in Southampton, PA.

Via **I-95**: from Street Road Exit (Rte. 132), travel west approximately 8.5 miles to the school.

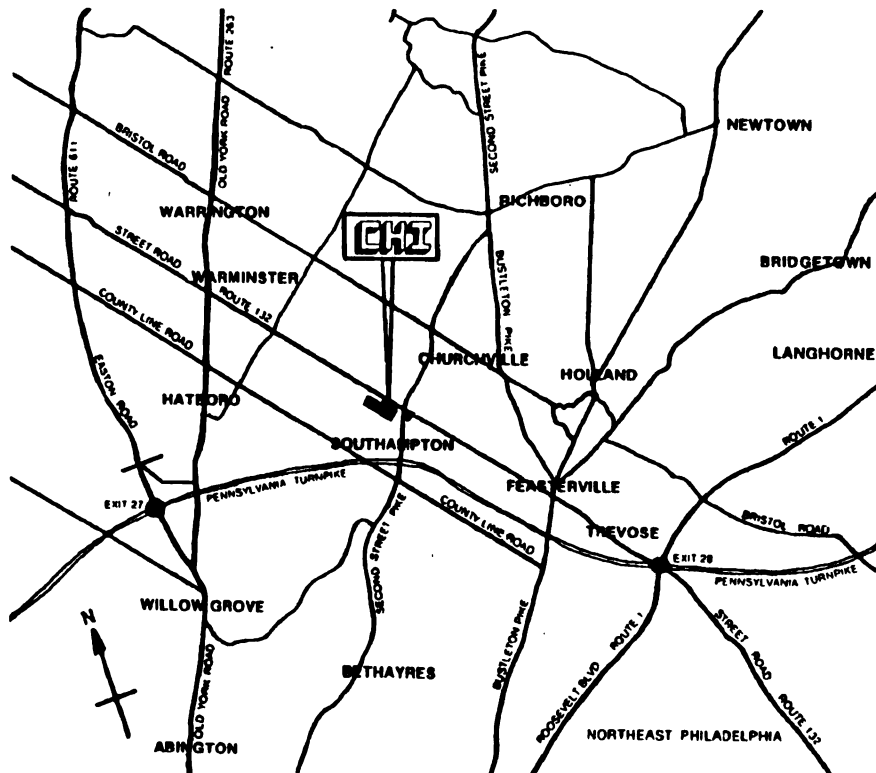
Via **PA Turnpike**: from Exit 27 (Willow Grove), travel north on Rte. 611 to first traffic light. Turn right (approx. 145 degrees) onto Mill Road, and go 1 mile to next light (Rte. 263). Turn left and drive 3 miles, through Hatboro, to Street Road (Rte. 132). Turn right and go 3.3 miles to the school.

CHI Institute is on the south side of Street Road, 1/4 mile west of Second Street Pike (Rte. 232), and 3/4 mile east of the Davisville Shopping Center. It is a former public school complex, and has large blue lighted signs on the building.

Parking is available directly across the street, on the north side of Street Road, at the former site of **Weber Industrial Supply Co.**

Enter through the main entrance, on the circle by the flag pole. Special accommodations will be provided for the VE testing session at 6:30 PM,

Help will be available on the repeater.



The PREZ SEZ

Larry Clifford, W3UY

A large number of subjects have been before your Board of Directors during the past few months. However, we have not lost sight of the yearly awards normally made at the December General Meeting.

The Board is in need of the general membership's input in the selection of this year's winners - if indeed there are to be any winners. You will recall that a year ago, the Board of Directors approved a motion that "If no one is suggested for any given award, then that award will not be made in that year."

There are members of our club who

have made, and continue to make, outstanding efforts on behalf of Phil-Mont, especially during the past year. Let us recognize them. Certainly you personally must have a good idea of someone you believe to be deserving of such recognition.

Please make use of the yellow insert in this month's BLURB to suggest a winner to the Board. We, on the Board, need your input to make proper and just awards. Please do not hold back. Tell us whom you would like to recognize for their efforts for Phil-Mont. Do it now - don't delay. Time is fast getting away from us.

A Better Idea?

An editorial by Jack Haring, W3IIM

Did anyone even notice what was voted at the September '89 Directors' meeting?

"Awards-K3KUD: So far an underwhelming degree of ballots (10) have been received for 'Phil-Monter of the Year.' Bob made a motion that 'Beginning in 1990 all the presently existing awards be retired, but only be awarded by, and at the discretion of, the Board of Directors.' The motion was seconded by W3BBB, and was approved by the Board. This will effectively eliminate the Awards Committee as such, and hopefully the Board will recognize deserving members who would not receive recognition because of the apathy of members nominating them."

'Sounds as though the Board had "a better idea." Well, I don't think so, and I would have said so, had I not been in San Francisco at the time.

Ten people cared. Don't they count?

Why should the fact that only ten members bother to send-in the "Phil-Monter of the Year" ballot, affect the entire awards program, which has been a "tradition of recognition" since 1953? (See the table following this editorial.)

Though I understand Bob's frustration with the response to the "ballot" (we're often frustrated by the lack of response from members to a call for support), I don't understand why the few responses for that one award justifies the elimination of the entire awards committee process! (Note that, in spite of the lack of response, two awards were presented, by the committee, last year.)

What is going to happen this year is that the Board is soliciting your "votes" for any, and all, awards.

In the past, awards committees have been appointed to select deserving members for specific awards.

Under the current set-up, the Board will be making those decisions. Think about this:

In the past, awards have been a surprise to the deserving recipient. That's part of the fun of giving awards, isn't it?

But now, since many of the deserving members could possibly be regular attendees of the Board meetings, it becomes a strange process indeed. Assuming that a

Continued on page 6

* UPDATE *

- Oct 1 **General Meeting**
- Oct 17 **Directors' Meeting at
KA3AMO & N3FTC's**
- Nov 5 **General Meeting
Ole Timers' Night
Wine & Cheese Party**
- Nov 14 **Directors' Meeting at
the "Buckingham Palace" of
WB3KAC**
- Dec 3 **General Meeting
and
ELECTIONS**
- Dec 19 **Directors' Meeting at
W3IIM & N's**

HAMFESTS

- Oct 7 **WARRINGTON, PA
Pack Rats**
- Oct 21 **BENSALEM, PA
Penn Wireless Association**
- Oct 28 **SELLERSVILLE, PA
RF Hill ARC**
- Nov 11 **BELMAR, NJ
Shore Area Ham & Computer Fest
(Allaire Airport)**

CLUB INFORMATION
24 Hour Information Number at W3TKQ
(215) 448-1139

V.E. TEST LOCATIONS

from EPA FEEDLINE & others

Confirm all information, in advance, with the contact person. Licensed applicants must bring their original license and one photocopy of it. All applicants, including children, must present positive ID. Also bring the original of any Certificate of Successful Completion needed to prove current status. The ARRL VEC's 1990 test fee is \$4.95; there is no charge for a Novice test.

BELLMAWR, NJ
Monthly, 3rd Thursday
Bill Helmatag
(609) 546-7710

CENTER CITY
Monthly, 1st Monday
Dusty Rhoads, ND3Q
(215) 482-0386
(215) 879-0505

PERKASIE
Monthly, 3rd Monday
Warren Erdman K3ZXQ
(215) 679-5764

BRYN MAWR
Bob Haase, W3SA
(215) 293-1919

LEVITTOWN
Dave Munson
(215) 788-7515

HATBORO
Tom Michaud, WA3TQJ
(215) 343-3494

nents to make it work. The liberal use of disk capacitors makes this power supply immune to RF that might otherwise "upset" it. Variable resistor R3, a 2.5k potentiometer adjusts the output voltage to the value you need. When I set my output voltage to 13.80 volts at no load, it dropped to 13.76 at 9 amps load! That's only a 0.04 volt drop from no load to full load! (2N3055, 2N3053, and LM723 are all available at Radio Shack at reasonable prices.)

The heat sink is quite important, as the dissipation in the pass transistors is relatively high. My heat sink measures about 4 inches by 6 inches and is deeply finned. It operates at about 20 volts above ground so it is on porcelain stand-offs. Even with long transmissions while I am on RTTY with my 2 meter rig, I can still hold my hand on the heat sink, but it does get warm.

One thing that might be added to this supply, which I have not yet added, is a "crowbar circuit" that would short out the output to blow the fuse if the pass transistors failed "short" thereby putting 20 volts on

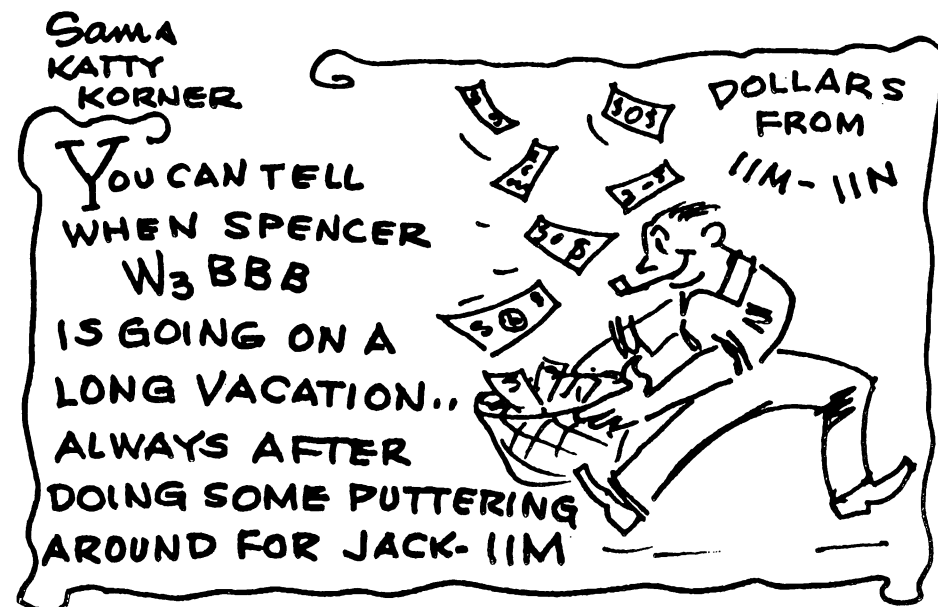
your treasured 2 meter rig! This circuit requires a husky SCR, another transistor, a zener diode and a few resistors and small capacitors. I intend to add this so I will not be living dangerously. Circuits for these can be found in handbooks.

tnx 'PXY

WORLD'S LARGEST SOLAR GENERATOR

W3FEG reports on the start-up of the world's largest solar electric generating system, in the Mojave Desert, 140 miles north of Los Angeles, CA. The plant is an 80 megawatt project, and will provide enough power to serve more than 115,000 people. The plant was built by Luz International Ltd. and, with this unit in operation, they will produce 274 MW of electricity in southern California. When all currently planned additional units are completed in 1994, the company will be producing almost 680 MW from the sun.

tnx Sussex ARC



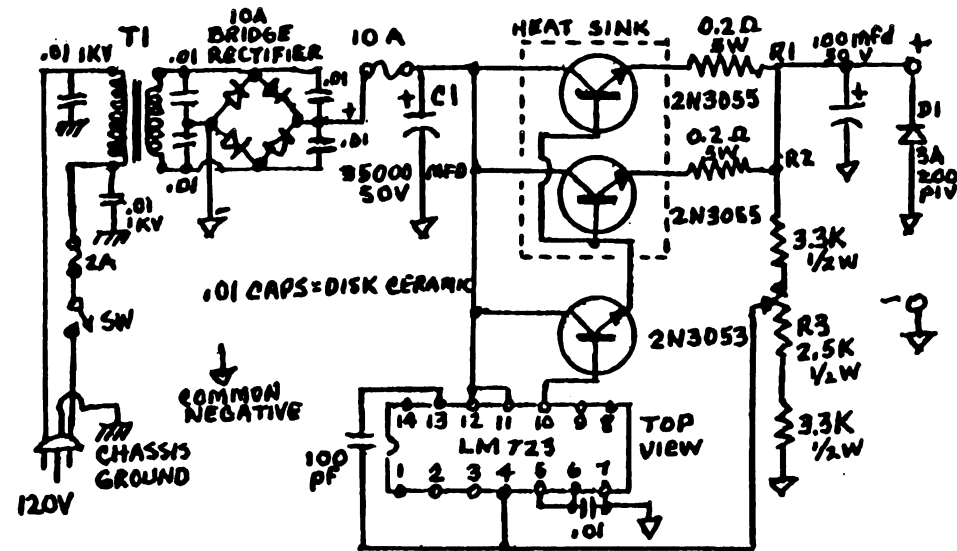
A CHEAP REGULATED POWER SUPPLY

Chuck Snyder, W2HSA (ex-W3NIP)

The new 2 meter mobile rigs, with all their “bells and whistles,” are just great when you put them in your car where an adequate 12 volts D.C. is always available. What happens when you want to operate one of those rigs from home? Do you use a storage battery with a charger attached, or do you go out and buy an expensive power supply that gives an adequate 13.8 volts that doesn’t collapse when you press the microphone button?

load, with a minimum of components needed.

I decided to build such a supply from scratch. The only hard-to-find items are the transformer T1, the filter capacitor C1, balancing resistors R1 and R2, and a husky heat sink for the pass transistors. The transformer should put out about 18 to 20 volts at whatever current you need. I have a "surplus" transformer that has three 6.3 volt 10 amp windings in series, but other combinations could be used, such as a 12.6 volt and a 5



I found that my new 45 watt rig drew 9 amps on transmit, but drew only 0.4 amps on receive with the squelch on. An unregulated supply, even with an adequate filter, a husky bleeder, and a good transformer, couldn't keep the operating voltages in the proper range, so I decided to "regulate" it.

Looking into the various ways of doing this, I came across a dandy little 14 pin IC, the LM723. This amazing little "regulator" could hold those power supply voltages within a tight range, from no-load to full

volt winding.

Old tube-type TV sets yield such transformers. For C1, a 35,000 mfd. 50 volt electrolytic capacitor was used. These are often offered at flea markets as "Computer grade" capacitors. Likewise the 0.2 ohm balancing resistors were located at flea markets. Each resistor has to be able to carry about 5 amps and dissipate 5 watts.

The pass transistors are 2N3055s, which in turn are controlled by a single 2N3053. The LM723 IC needs only a few compo-

MINUTES

SEPTEMBER GENERAL MEETING

The September General meeting was called to order by W3UY at 20:24 hours. There were 24 members and 2 visitors attending. The visitors were KD3QE and KA3RRG. KB3IV read the Treasurer's Report.

Membership - KB3IV reported three new members. They are N3IEI, K3JJO and N2KSX.

Mo-Com - N3DHI reports that we are still waiting for the check.

W3TKQ - W3PWG reports that the equipment is still working.

DX - WA3AUN informed us that conditions are outstanding.

New Business - W3AA donated a fifty cup coffee pot to the club. Coffee not included!

Our guest speaker was KC2HX. Arnie had recently returned home from a trip to the Grand Canyon, and had pictures and many interesting stories.

The meeting adjourned at 21:15 hours.

Respectfully submitted;
Brad Swanson, N3GLH, Secretary

MINUTES

SPECIAL DIRECTORS' MEETING

On September 14, 1990, W3UY called this meeting to order at 20:14 hours. The Location was at W3UY's home. Officers present were W3UY, N3FVI, N3GLH, KB3IV, W3BBB, W3IIN, W3IIM, K3GBA, K3KUD, W3LKI and AK2I. W3RM was also present. The reading of prior minutes and financial reports was waived. W3UY turned the meeting over to Jake.

Jake reported that he had received a phone call from Henry Disston, a friend and employee of the Franklin Institute. Henry had been told that the Phil-Mont Mobile Radio Club, and W3TKQ, were going to be asked to vacate the Institute, and that the letter was in the mail to confirm this. Apparently Angela Cooper, Henry's superior, had made this decision in an attempt to meet the budget. Jake said that Angela Cooper had no knowledge of what the radio station, or the club, were really about. Jake, at Henry's suggestion, wants to initiate an immediate letter-mailing, directed to the board of directors for the Institute. Henry does not mind having his name mentioned.

The next day, the Institute received a phone call from the Kenwood Corp., expressing a strong interest in providing a complete station for W3TKQ.

W3UY wanted to split the problem into several categories. The first was to decide if we wanted to stay in the Institute, or drop it entirely. KB3IV made the first motion that "The P.M.R.C. pursue its affiliations with the Franklin Institute in whole, or in part." The motion passed 10 - 2.

After lengthy discussion of the possibilities, and means of dealing with the problem, it was decided that direct contact with Angela Cooper was the best route of action. Jake wanted to mention the Institute's decision, as soon as possible, on nets, so as to spread the word. He felt that we had very little time, and wanted to get letters mailed to the Institute as soon as possible. However, the board felt that this could be too strong of an initial move, and that personal contact should be made first. W3BBB made the second motion "I move that we approve AK21's letter-writing program following a

direct contact with Angela Cooper, to determine the closure status of W3TKQ." The motion passed.

Jake was then authorized to mention, on the Sunday net, that there was going to be a special net on Monday at 20:00, and that it would be of interest to all. The whole topic will be kept confidential until we hear the information officially, rather than as a possible misstatement of fact. Everyone agreed that Jake had too much time invested in the Institute to quit without at least trying. It

was also agreed that Jake was the most qualified to meet with Angela Cooper. However W3RM recommended that he ask Kay Craigie, from the ARRL, to accompany him.

Jake will try to set up a meeting with Angela Cooper as soon as possible, hopefully Monday or Tuesday, and we will learn more at the September Mid-Month meeting. The meeting adjourned at 22:11

Respectfully submitted;

Brad Swanson, N3GLH, Secretary

MINUTES SEPTEMBER DIRECTORS' MEETING

The September mid-month meeting was held at the home of W3HFY on September 19, 1990. Present were W3UY, N3FVI, N3GLH, W3IIN, W3IIM, K3KUD, AK2I, W3BBB, W3RM, N3DHI, W3HFY, K3GNM, ND3Q, W3DSG, W3IRS and W3PWG. The meeting was called to order by W3UY at 20:30 hours. The president waved the treasurer's report and past minutes.

Mo-Com - W3UY called on N3DHI for the status of Abington Township. Rick reported that Abington had agreed to purchase the vehicle and was waiting on the money from the state. It was decided that a confirming letter from the Township was in order.

Membership - The board voted on two applicants. N3GEN and NS3Z, both were accepted.

Awards - Mail-in ballots will be in the October Blurb, so that members may vote for the Phil-Monter Of The Year, if there is to be one.

New Business - Four simplex frequencies were discussed as possible replacements to what we already use.

Editorial continued from page 3

potential recipient could be a member of the Board, or a regular attendee of those meetings, how does the selection process work? How do we keep it a surprise?... or do we just take turns giving each other an award, so no one feels left out?

W3TKQ - AK2I informed the board that he had been unable to meet with Angela Cooper due to her schedule, however a meeting is scheduled for September 28, 1990 at 10:00 am. Jake will be bringing Kay Craigie and Hugh Turnbull with him. W3UY will be contacting the Institute to see if we may have the October meeting and V.E. testing there. *[No word at press time. -Ed]*

Several alternate meeting places were discussed. We have an open invitation at CHI Institute, in Southampton, and K3KUD has managed to secure the Bell Telephone building, downtown, on a long term basis. He will be going down there this week to check out the parking situation, but he thinks it will suffice.

Jake discussed the possibility of running W3TKQ on a volunteer basis, in case that is the last resort for maintaining the station at its present location.

The meeting adjourned at 22:03 hours. Refreshments and Hal's ham shack(s) were enjoyed by all.

Respectfully submitted; Brad Swanson, N3GLH, Secretary

It's extremely awkward, isn't it?

I think the vote was an overreaction which needs to be repealed.

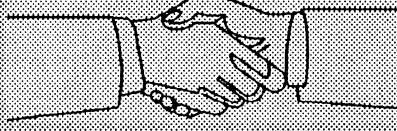
Why not tell the Board how you feel about it? Use the enclosed "ballot." It'll only cost 25 cents.

Maybe we'll get more than ten replies.

Tracking Video Pirates

Atlanta GA - When video pirate Captain Midnight beamed his message of protest into the Home Box Office satellite transmission system four years ago, HBO officials were unable to effectively locate the pirate's transmitter.

Engineers at the Georgia Institute of Technology have developed a system for pinpointing the location of ground stations that interfere with satellites using a variation of techniques long employed for radio navigation. The Satellite Interference Location System should help satellite operators quickly locate the source of accidental satellite interference. The system uses "time difference of arrival" technique to infer the longitude of the ground station and an interferometric technique to learn its latitude. The method uses information obtained from two adjacent satellites. Engineers measure the difference between arrival times of the interfering signal at the affected satellite and that of the weaker sidelobe "spillover" signal at the nearby satellite. This time delay corresponds to the different distances that the signal must travel to reach the two satellites. Because they know the precise location of the satellites, engineers can employ trigonometric techniques, similar to the Loran system used by aircraft or ships for navigation,



NEW MEMBER APPLICATION

CALL: **KD3QE**

NAME: Lawrence Stevenson

HANDLE: Larry

CLASS: Advanced

ADDRESS: 4432 Dexter St.
Phila, PA 19128

HOME PHONE: (215) 482-5661

OCCUPATION: Technology Specialist

BUSINESS PHONE: (215) 834-3824

tion, to infer the longitude of the ground station.

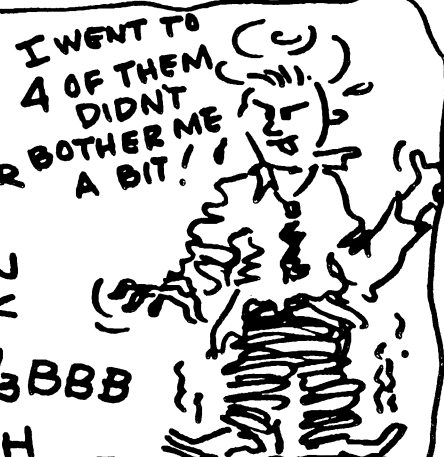
Obtaining the latitude of the ground station is more difficult, requiring more complex analysis of signals reaching two antennas on the same satellite.

inx MICROWAVES AND RF & N3DHI

**GAMS
OTHER
CORNER**

**GOING TO AND
FROM THE SUMMER
HAMFESTS
CAN PUT A STRAIN
ON YOU... ASK**

**N3ALW KB3IV W3BBB
N3FVI N3GLH**



Franklin Institute to lay off 26

By Michael Matza
Inquirer Staff Writer

They've seen the future, and... well... it smarts.

That was the feeling of employees of the Franklin Institute, home of the new Futures Center, who were stung yesterday by the sudden announcement that 6 percent of the Institute's staff is to be laid off.

The across-the-board cuts, effective Friday, will eliminate the jobs of 26 people, and save an estimated \$500,000 a year in salaries and benefits, according to Institute board chairman Charles Andes, who notified museum managers at a somber afternoon assembly.

Those laid off included members of the Institute's communications staff, exhibit designers, museum programmers and employees in development, ticket reservations and general services.

The 90,000-square-foot science center addition, which includes eight exhibits, an upscale restaurant, two souvenir shops, and one of the largest movie screens in North America, was designed to propel the 55-year-old Institute well into the 21st century.

It opened to great fanfare on May 4, and received more than 475,000 visitors through Sept. 4.

Although box office receipts had met

projections, said manager of public relations Elaine Wilner, the cost of operations had been running out of control. She said the center had run \$100,000 over budget for maintenance alone.

"Expenses exceeded what we expected," said Wilner. "We had never run the Futures Center before. When you're working with such small margins, it's easy to get off the track real fast."

While nonprofit institutions often run in the red, said Wilner, "we can't, because we're in the middle of a capital campaign, and people don't give money to organizations that run deficits."

The Institute must raise \$12 million toward the \$72 million cost of the expansion.

Now that the new wing is up and running, said Wilner, it was the board's decision to begin scaling back. "Any time you go through huge changes, as we did with the Futures Center, other changes are to be expected."

She said the Futures Center was created "on a project basis, and everyone knew the project would end someday." Beginning in May 1988, the Institute added 100 staffers, mostly to coordinate Futures Center expansion. The reductions announced yesterday bring the total to 280.

Sept. 19, 1990

REPEATINGS

Warminster ARC has started fall classes which will run for 12 weeks, ending on November 27. Novice, General/Technician and Advanced classes are scheduled. Call Jim, K3EBZ, 672-5487... Novice license classes have started at Indian Crest Middle School in Souder-ton. Call Bob, NX3S, 453-9284... Classes for all licenses just started at the Gauntlett Center, Media Line & West Chester Pike - sponsored by Marple Newtown ARC... (*Wish these guys would advertise their classes more in advance!* -Ed)... New Local Nets:- 80M CW Practice Net on 3.740 MHz - Wednesdays at 19:00 local time. Youth Net on 28.450 MHz - Saturdays at 20:00 local time... Frenchy (W3IRS) attended the September General Meeting, AND Mid-Month! Now, if he can only figure-out how that FM radio works, we'd sure like to chat with him now and then!... Paul (W3VVS) is back in the hospital with a bellyache - was mending nicely at home after his recent heart attack.

PHIL-MONT's HONOR ROLL

— OUTSTANDING MEMBER —

1953	W3JGB	Bob Ferree	1958	W3QQH	Jim Spencer
1954	W3QQH	Jim Spencer	1959	W3WNC	Hy Hecht
	W3QV	Brad Martin	1960	W3QQH	Jim Spencer
1955	W3VXN	Bill Bornmann	1961	W3QQH	Jim Spencer
1956	W3PXY	George King		W3ZPP	Charlie Stouth
1957	W3QQH	Jim Spencer	1962	K3GNJ	Enos Bartol

1963 K3KUD Bob Schmilewske

Award now retired and on permanent display at W3TKQ.

— LEROY HAUSER MEMORIAL AWARD —

1964	W3ADV	Fred Shaw	1979	K3KUD	Bob Schmilewske
1965	W3QQH	Jim Spencer	1981	W3PWG	Rollie Madera
1967	W3GOW	Charles Greenwood	1983	N3DHI	Rick Spencer
1968	WA3CNI	Sam Kunceovich	1984	W3IIM	Jack Haring
1971	W3KN	George Weed	1985	AK2I	Jake Kovalchek
	K3TKZ	Ed Jars	1986	W3SRU	Howard Gilpin
1977	W3AWG	Jim Rogers	1987	W3BBB	Jim Spencer

1989 W3PST Woody Haldeman

— PHIL-MONTER OF THE YEAR —

1962	W3DSG	Ernie Juliani	1979	W3QQH	Jim Spencer
1963	K3GNJ	Enos Bartol	1981	AK2I	Jake Kovalchek
1964	K3CEE	Bob Cox	1982	W3AWH	John Tinaglia
	K3KUD	Bob Schmilewske	1983	WB3KOJ	Don Gordon
1965	W3YHV	Bill Bubeck	1984	W3IIN	Jinny Haring
	W3YJM	Charles Gilbert	1985	N3DHI	Rick Spencer
1966	W3WNC	Hy Hecht	1986	AK2I	Jake Kovalchek
1967	W3QZO	Bob Thomas	1987	W3RM	Dick Moll
1968	WA3ARY	Sid Elfant	1989	W3RM	Dick Moll

— LADY PHIL-MONT AWARD —

1962		Peg Schmilewske	1967	K3QNX	Shelley Klein
1963		Elaine Spencer	1971	K3QNX	Shelley Klein
1964		Edna McVaugh			Lillian Jars
1965	W3ZLE	Dot Jorrett	1979		Lou Andrews
1966		Emma Shaw	1987		Stella Tinaglia

— GEORGE WEED MEMORIAL AWARD —

1981	W3VVS	Paul Bohlander	1986		Sam Kunceovich
1983	W3RM	Dick Moll	1987	W3IIM	Jack Haring
1984	W3BBB	Jim Spencer		W3IIN	Jinny Haring

— IDAUBMUG AWARD —

(GUMBUADI spelled backwards)

1963	W3ADV	Fred Shaw	1967	K3HIJ	Joe Elmaleh
1964	W3GIF	Al Hamilton	1970	W3QQH	Jim Spencer
1965	W3AWH	John Tinaglia	1971	K3PHC	Jim Bock
1966	W3YHV	Bill Bubeck		W3VXN	Bill Bornmann

65th MONTHLY VE SESSION STATISTICS SEPTEMBER

8 participants pass 9 elements
3 upgrades

Name	Call	From	To
Marilyn Heath	KA3WUL	Novice	Advanced
Edmund Rush	N3IBJ	Technician	General
Robert Buzinski	KA3VJR	Technician	General

Congratulations to all, and to the members of our VE team:

ND3Q Dusty Rhoads, Chairman
N3EKR Lee Pamplin
N3FTZ Ted Lada
NZ3Q Ted Coates
NS3Z Bob Forrester

OFFICIAL BUSINESS

FCC Certification Class

Two classes of FCC (Federal Communications Commission) approval, Class A and Class B, may be given to computers. Class A approval signifies that a computer has sufficiently low radio-frequency emissions for operation in a business locale.

The more stringent Class B rating allows home use as well, where computers are likely to be placed near radios and television sets. - *tnx PC MAGAZINE*

FCC Allows Call Sign Changes

The FCC does not grant requests for specific call signs, although an amateur may swap a current call sign for another one issued in the regular sequence. According to an FCC Public Notice dated April 19, 1990, by filing a Form 610 with the FCC, and requesting a change in call sign (Item 2E), the applicant will be issued a call sign appropriate for his license class from the standard rotation of new call signs.

tnx QST

IBM HEAL THYSELF

An IBM researcher has invented a process in which a defect in wiring between integrated-circuit chips can induce its own repair. The process, patented by C. Julian Chen, can repair manufacturing defects in interconnection wiring known as constrictions, or near "opens." The process allows complete open circuits to be repaired and even new interconnections be customized.

tnx SERVICE NEWS

ENGINEERS HAVE ETHICS

says a poll for Robert Half International Inc., Menlo Park, Calif. Engineers were cited by 34% of executives as being the most ethical type of professional. CPAs came in second at 24%. Investment bankers got only 1% of the vote.

(Humm... 'wonder about carpenters? -Ed)
tnx WALL STREET JOURNAL

In 1960 Dr. LePage, now the President of the Institute, began to feel that a larger, more active group, ought to take-over the station, and, at that point, suggested the Phil-Mont Mobile Radio Club. He also suggested that the club ought to consider having its monthly meetings at the Institute as well.

A bond developed that, to this day, has been advantageous for both organizations. People sprang into action. The Institute donated space and enough money for a glass enclosure for the station, and lo, what a beautiful station emerged, thanks to the efforts of W3QQH (now W3BBB), Jim Spencer. The Institute even donated air conditioning for comfort, and the Bell Telephone Co. donated telephone instruments, amplifiers, and speakers, so that visitors could, not only see, but hear the station in actual operation. Jim Spencer designed the backdrop so that visitors could see a light blinking in the area of the world where the contact was being made. The world was at our finger tips!

Again Dr. LePage convinced the Collins Corporation to donate a complete Collins station for our use. Approximately \$5,000 in equipment and materials was donated, and then built-in by Jim Spencer. And what a beautiful station it was!

A brushed walnut plywood console was built around a single pedestal desk with positions for all the equipment. Nothing was too good for the Phil-Mont Mobile Radio Club. And when it was needed, it was there for our use. Amateur radio reached a zenith in operating positions and equipment. The state of the art had been achieved and the club flourished.

At this point several men share the spotlight, for it was their inspiration and guidance that laid the foundation for the next thirty years. Phil-Mont was the premier Amateur Radio Club in the area. These men specifically were John Tinaglia, W3AWH; Hyman Hecht, W3WNC; and Chuck Snyder W3NIP (now W2HSA); Jim Spencer, W3BBB; Hal Grace, W3HFY; Fred Shaw,

W3ADV; Paul Bohlander, W3VVS. Also, we must recognize all those active members of Phil-Mont who dedicated their honest efforts, not only to develop the club, but to nurture the relationship between Phil-Mont and the Franklin Institute. To these, and to all the real Phil-Monters, whose dedication to our club grows stronger, even after the endless flow of petty differences that destroys other clubs, men of vision, conviction, and dedication to the development of our great hobby, we say "A job well done, for your accomplishments, which will live in perpetuity each time the call sign W3TKQ is spoken over the amateur spectrum."

The story continues.....

You heard it all on Phil-Mont...

In the spirit of good communication with its membership, the real story of the Franklin Institute and W3TKQ, was reported to you, via your club repeater, four days before the newspapers, and the radio, announced the proposed cutbacks. This column will, by necessity, be very short because the problem has not yet been resolved between the Club and the staff of the Franklin Institute.

After I return from Cape Hatteras, the meeting, between Phil-Mont and the Institute, will take place on September 28, 1990 at 10:00 A.M.

After the meeting, and the discussion with the Board of Directors, I will tell, through this column, the entire story, from start to finish, about W3TKQ; just exactly how the entire situation developed; who the participants were, and how we were finally able to come to a conclusion.

Submitted: September 19, 1990 at 4:05 P.M.

[Editor's note: The five, part-time, station operators were unemployed as of Saturday, September 20.]

THE W 3 T K Q REPORT

by
Jake Kovalchek,
AK2I

How it all began...

In the years before the surprise attack on Pearl Harbor, on December 7, 1941, this country had citizens that were concerned about civil defense, and more specifically, what would happen to our communications network if our country were indeed subjected to foreign air attacks. One such group of men was the Haverford Township Emergency Radio Net, a civil defense radio club, whose membership included such calls as W3ADV, Fred Shaw; W3HFY, Hal Grace; W3PBR, Mason Frankenfield, and W3HQJ, Dr. Lester Burket.

It was not, however, until 1950, when a gentleman, by the name of LePage (rhymes with garage), who was at that time the Executive Vice President of the Franklin Institute, decided to obtain the help of W3ADV to become an amateur radio operator. This was accomplished, and he became a member of the Haverford Emergency Group as W3QCV, Dr. Wynn Laurence LePage. The year was 1951, and Dr. LePage proposed that the Haverford Township Emergency Radio Net sponsor an amateur radio station at the Institute, as an exhibit, for all to enjoy.

After enlisting the help of a few additional amateurs, a license was obtained - W3TKQ - radio equipment was built, and later installed. Originally only 2 and 6 meters equipment was in operation, but on the air it went, and, while time permitted only week-ends, and holidays, for W3TKQ's operation, it, none-the-less, became a very popular station.

Club members worked schedules to keep W3TKQ on the air, but soon it became apparent that it would be very difficult to continue this schedule. Shortly thereafter, the club secured the services of Mason Frankenfield, W3PBR, the station's first paid operator, whose duties were to operate W3TKQ, and be a demonstrator in the electrical hall.

This program worked very well for some time, but soon W3TKQ became so popular that even Mason needed assistance, so the Franklin Institute added three additional retirees to the roster, each taking turns, so that schedules, and income, were within the guidelines established by the Social Security Administration.

We can list several amateurs whose diligence, perseverance, determination and, yes, love of country, brought W3TKQ to this point in the story. Men such as Mr. Fred Shaw, W3ADV; and Mr. Hal Grace, W3HFY, all living testimonials to the efforts men will endure to blaze trails in the amateur spectrum.

In 1954 both Dr. LePage and Fred Shaw convinced Hallicrafters to donate a new Receiver. A Johnson Viking-1 transmitter was secured, and Mosely donated a Tri-Band beam. What a signal! Another six years of pummeling the air waves with the sounds of W3TKQ.

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wells!alba21!pebco!stuart

Dear Editor:

I have been a member of PHIL-MONT Mobile Radio Club for about two years now. In that time I have read the BLURB each month it has come, and never have I seen a more professional looking newsletter from a hobbiest club. However, I was quite upset with my receiving of the July issue. What I am referring to is the article "C>READ.ME" on page 18.

This editorial starts off by making reference to the fact that most ham operators follow the rules, simply because they don't want to be classified with the 'CBers' of the world. Personally, (not speaking as WE, as the editorial takes the liberty to do), I find this quite offensive. I follow the rules for one reason, because I am a law abiding citizen providing a public service, and I don't care what people make of that.

Next the article points out that this same "we", are a group of criminals who are morally corrupt when it comes to the issue of copyright law. Now, I am not saying that nobody ever copies computer software. Simply that, if I were not a PHIL-MONT member (and thus know most people in the club), I would presume that this club is filled with a bunch of CB-converted hackers, which I know is not the case at all!

Now I don't know about you, but when I buy software, I don't have to be a lawyer to know that what this 4 page document that comes with the software and its documentation is saying that it is illegal to copy it!

"The bottom line is: if you intend to continue stealing from the software companies, then please don't be so stupid as to talk about it on the radio - our radio - HAM RADIO, use the eleven meter band for that kind of activity"

Hmm...maybe while we are saying this we should also say, that if you are an illegal operator on the ham bands, at least pick a current call sign with the authorization for the bands you intend to use, and id when you should!

And what will I save for my next editorial? Well, maybe we should think about how me just may have insulted every CBer who follows the rules, and has no reason to ever continue doing so, because we don't believe they are going to anyway!

73,
Stuart Blake Tener
N3GWG

1990

OCTOBER

1990

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1 GENERAL MEETING & LICENSE EXAMS <i>Location to be announced</i>	2 CODE PRACTICE NET at 8 PM	3	4	5	6
7 2M NCS N3FVI 10M NCS ANYONE 75M NCS W3PWG <i>Pack Rats' Hamfest</i>	8 <i>Columbus Day</i>	9 CODE PRACTICE NET at 8 PM	10	11	12	13 <i>Molly Pitcher Born 1754</i>
14 2M NCS NEEDED 10M NCS ANYONE 75M NCS W3AOA <i>Dwight Eisenhower Born 1890</i>	15	16 CODE PRACTICE NET at 8 PM	17 DIRECTORS' MEETING at KA3AMO & N3FTC's <i>Rita Hayworth Born 1918</i>	18	19	20 <i>Sweetest Day</i>
21 2M NCS KA3AMO 10M NCS ANYONE 75M NCS W3RCE <i>Penn Wireless Hamfest</i>	22	23 CODE PRACTICE NET at 8 PM <i>Swallows Leave San Juan Capistrano</i>	24 <i>United Nations Founded 1945</i>	25	26	27  <i>Theodore Roosevelt Born 1858</i>
28 2M NCS KB3IV 10M NCS ANYONE 75M NCS AK2I <i>R.F. Hill Hamfest Daylight Saving Time Ends</i>	29 <i>Stock Market Crash 1929</i>	30 CODE PRACTICE NET at 8 PM	31  <i>Halloween</i>	The secret of being a bore is to tell everything.		

fold on line

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stamp
required

The PMRC Board of Directors
c/o Mr. Larry Clifford, W3UY
951 Surrey Drive
Blue Bell, PA
19422

First Class Mail

AWARDS OF THE PHIL-MONT MOBILE RADIO CLUB

Yes, I've read *The PREZ SEZ*, and I have something
I'd like to say about this year's awards.

(Please write your comments and recommendations below.)

GEORGE B. WEED MEMORIAL, W3KN

To be presented to a person, group, or organization, not necessarily members of Phil-Mont or a radio amateur, who, in the opinion of the Awards Committee has made a significant contribution to the Club or to Amateur Radio, and who in so doing has expressed the philosophy of unselfish helpfulness for which George Weed will be remembered.

The award to be inscribed "In Recognition of Service to Amateur Radio."

Need not be awarded annually.

*October 1990
Issue*

LEROY HAUSER MEMORIAL

To be presented to a Club member who has, in the judgement of the Awards Committee, contributed to the welfare of Phil-Mont by distinguished service beyond that which is normally expected of a member, for an extended period of time.

The award shall be inscribed "For Distinguished Service."

Need not be awarded annually.

PHIL-MONTER OF THE YEAR

To be presented annually to that Club member whose contribution to Phil-Mont has been outstanding. May be for a single or extended effort within a given year.

The award shall be made on the basis of a secret vote by the General Membership. In the event that fewer than 33% of the total membership cast votes, the Awards Committee shall caucus to select a suitable recipient. Should no member be considered to merit the award it need not be given in that year.

LADY PHIL-MONT AWARD

To be presented to the wife or daughter of a Club member in recognition of a specific or sustained contribution to the welfare of Phil-Mont or its members. Recipient will be selected by the Awards Committee.

Need not be awarded annually.

IDUABMUG AWARD

To be awarded to the Club member adjudged by the Awards Committee to have committed the biggest faux pas of the year.

CERTIFICATE OF APPRECIATION

To be awarded at any time to a member or nonmember who has expended special effort on behalf of the Club in a specific instance. (e.g. Guest speaker; Event chairman)

To be awarded by the President or the Board of Directors.

My call is: _____ (required)